

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition	Errors
1	BRS	L1	290	echinocandin	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/09/03 09:32			0
2	BRS	L3	28828	antifungal	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/09/03 09:32			0
3	BRS	L4	13	2 same 3	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/09/03 09:33			0
4	BRS	L5	5159	anti-fungal	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/09/03 09:33			0
5	BRS	L6	4	2 same 5	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/09/03 09:37			0
6	BRS	L7	1	wo-9613272-\$ did.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/09/03 09:37			0
7	BRS	L2	24	echinocandin adj derivative	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/09/03 10:07			0
8	BRS	L8	166	1 same (3 or 5)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/09/03 10:36			0
9	BRS	L9	36	fauveau adj patrick.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/09/03 10:37			0
10	BRS	L10	4	hawser adj stephen.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/09/03 10:38			0
11	BRS	L11	0	lebourg adj gilles.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/09/03 10:39			0
12	BRS	L12	9	schio adj laurent.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/09/03 10:39			0
13	BRS	L13	4	(9 or 10 or 12) and 2	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/09/03 10:40			0

=> d his

(FILE 'HOME' ENTERED AT 15:19:38 ON 03 SEP 2003)

FILE 'MEDLINE, CAPLUS, BIOSIS, EMBASE, SCISEARCH, AGRICOLA'  
ENTERED AT

15:20:04 ON 03 SEP 2003

L1 1691 S ECHINOCANDIN  
L2 379 S L1 (P) DERIVATIVE  
L3 115 S ECHINOCANDIN DERIVATIVE  
L4 121417 S ANTI-FUNGAL OR ANTIFUNGAL  
L5 159 S (L2 OR L3 ) (P) L4  
L6 72 DUPLICATE REMOVE L5 (87 DUPLICATES REMOVED)  
L7 18 S FAUVEAU PATRICK/AU  
L8 15 S HAWSER STEPHEN/AU  
L9 1 S LEBOURG GILLES/AU  
L10 22 S SCHIO LAURENT/AU  
L11 5 S (L10 OR L7 OR L8 OR L9) AND L6

The STN search turned up 36 cpds in 2 citations  
only 18 cpds were in the 2 cites. these are the  
KAM 10/018, 073

=> d 145 1-18

L45 ANSWER 1 OF 18 REGISTRY COPYRIGHT 2003 ACS on STN  
RN 310462-00-1 REGISTRY

CN Deoxymulundocandin, 1-[(4S)-4-[[[(1R,2R)-2-aminocyclohexyl]amino]-N2-[[4'''-(pentyloxy)[1,1':4',1'''-terphenyl]-4-yl]carbonyl]-L-ornithine]- (9CI) (CA  
INDEX NAME)

FS PROTEIN SEQUENCE; STEREOSEARCH

MF C63 H83 N9 O14

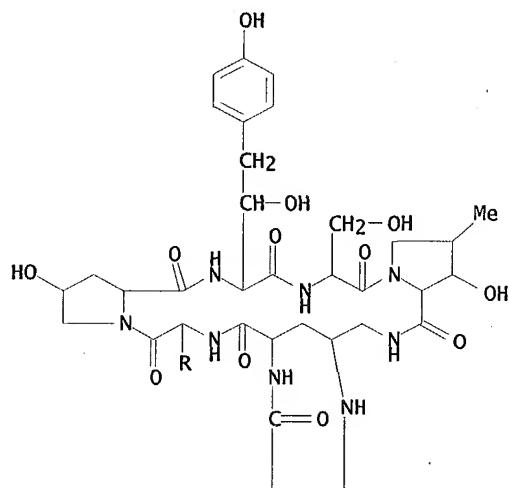
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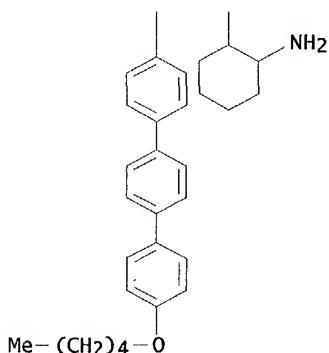
\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

Registry records for the  
remaining 18. The Reg # are  
really high--so  
these must be  
pretty new & not  
yet assigned to  
a citation.

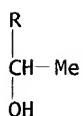
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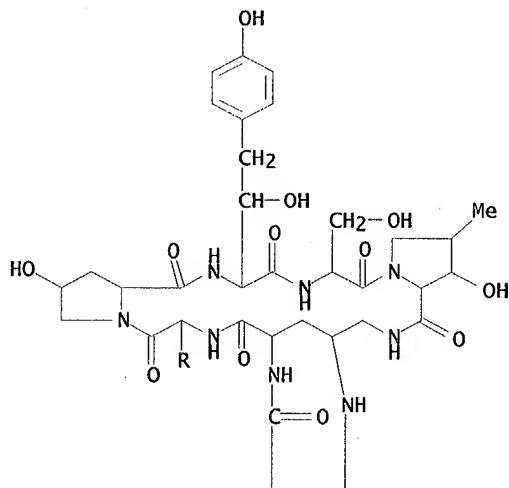
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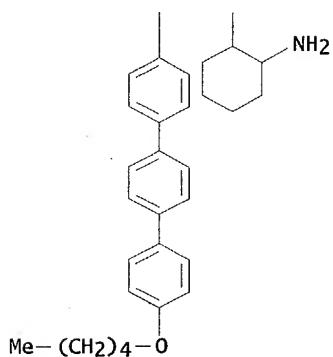
L45 ANSWER 2 OF 18 REGISTRY COPYRIGHT 2003 ACS on STN  
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 FS PROTEIN SEQUENCE; STEREOSEARCH  
 MF C63 H83 N9 O14  
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\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

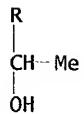
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## PAGE 2-A



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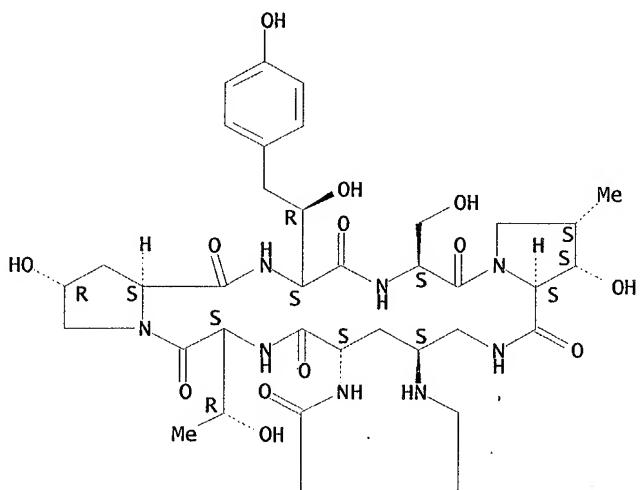


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 RN 310461-96-2 REGISTRY  
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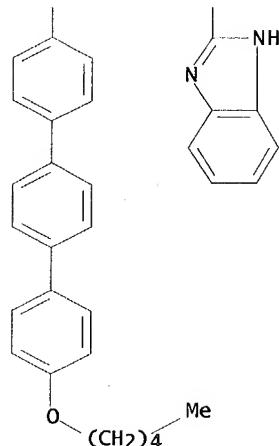
\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

Absolute stereochemistry.

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L45 ANSWER 4 OF 18 REGISTRY COPYRIGHT 2003 ACS on STN

RN 310461-94-0 REGISTRY

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FS PROTEIN SEQUENCE; STEREOSEARCH

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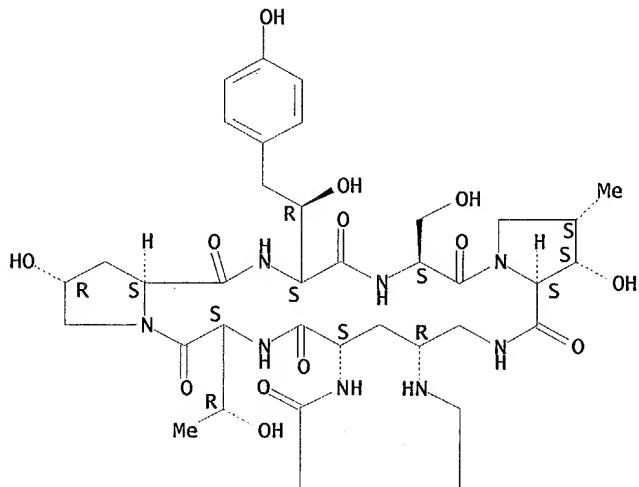
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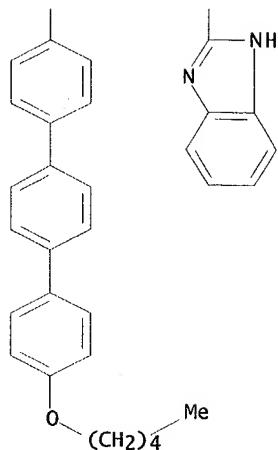
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Absolute stereochemistry.

PAGE 1-A



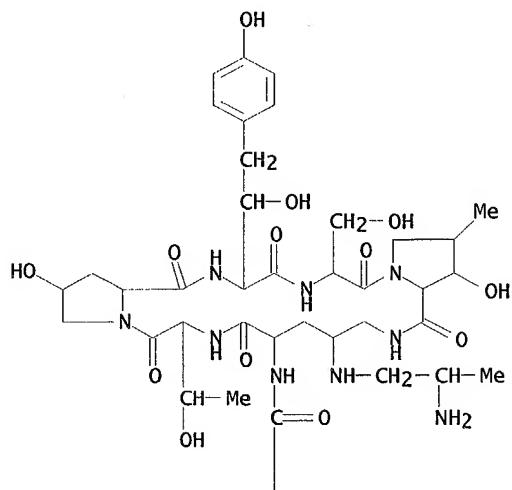
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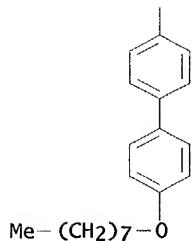
L45 ANSWER 5 OF 18 REGISTRY COPYRIGHT 2003 ACS on STN  
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 NAME)  
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 MF C57 H81 N9 O14  
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\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

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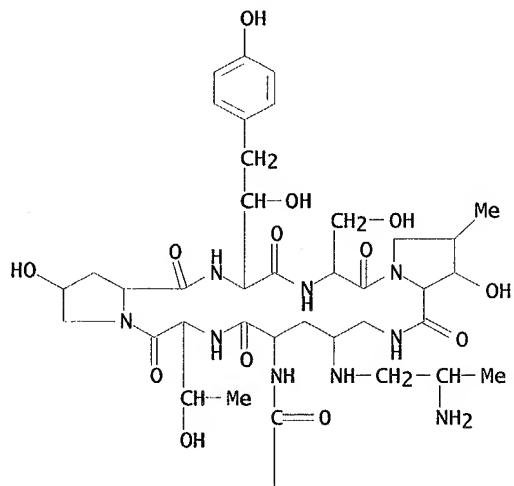
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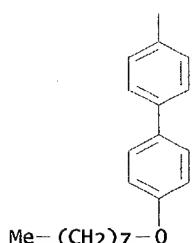
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 NAME)  
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 SR CA

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

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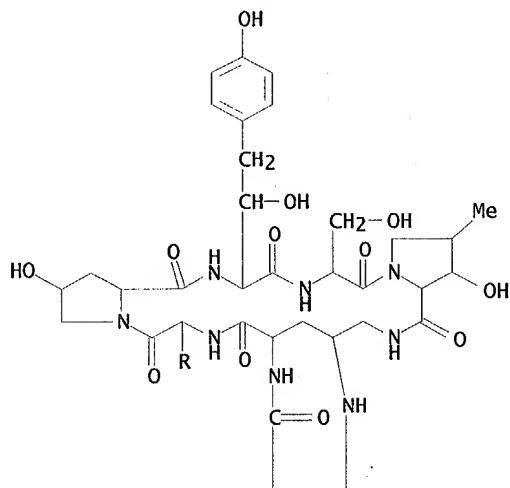
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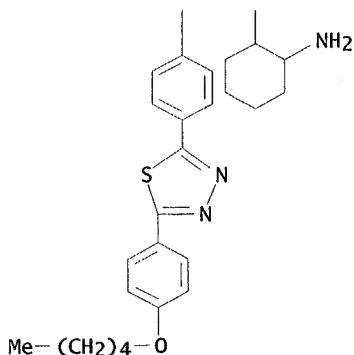
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 RN 310459-69-9 REGISTRY  
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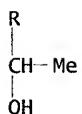
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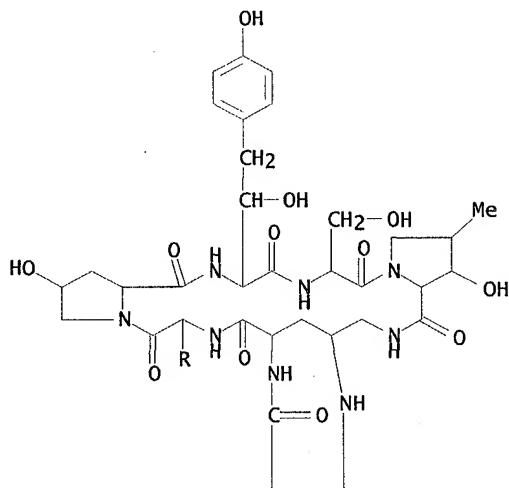
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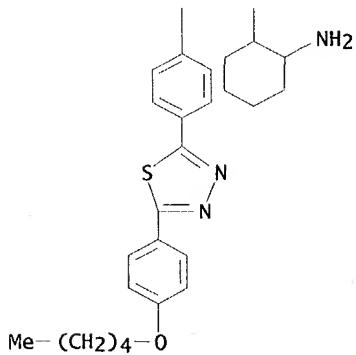
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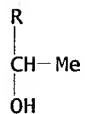
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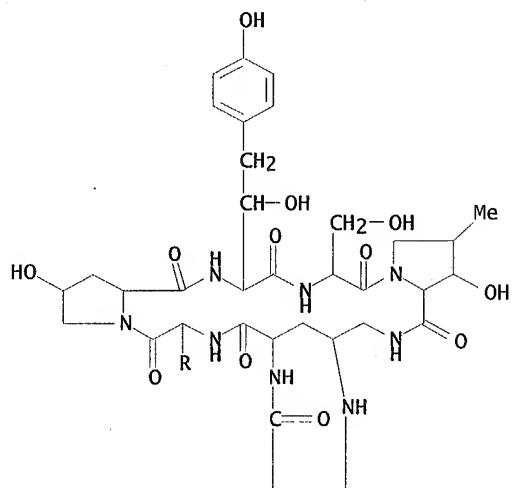
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L45 ANSWER 9 OF 18 REGISTRY COPYRIGHT 2003 ACS on STN  
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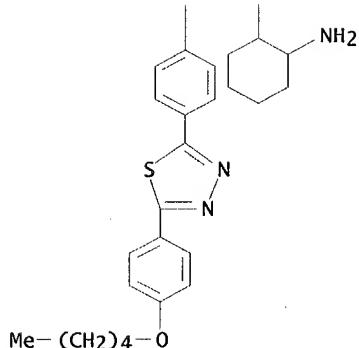
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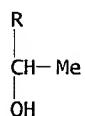




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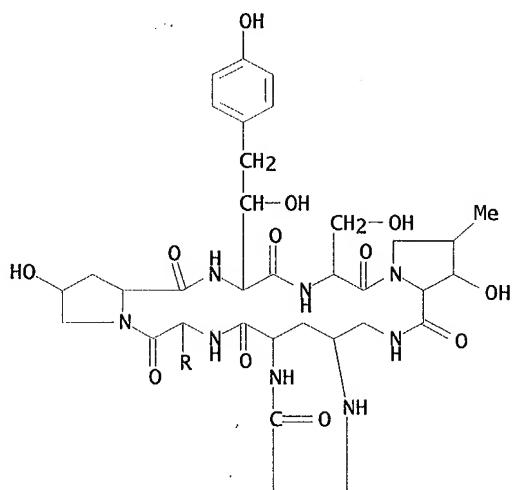
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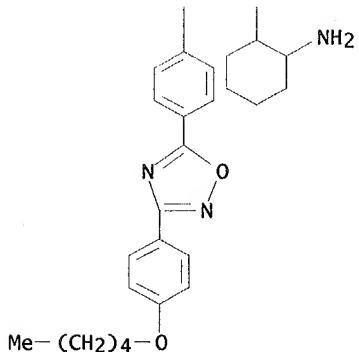
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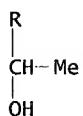
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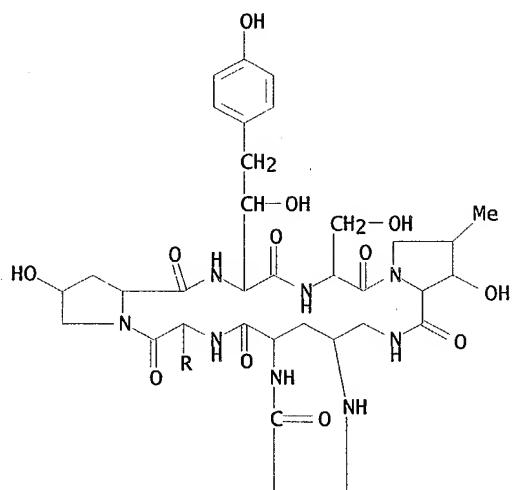
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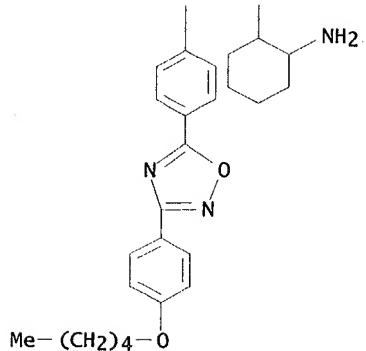
L45 ANSWER 12 OF 18 REGISTRY COPYRIGHT 2003 ACS on STN  
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 (CA INDEX NAME)  
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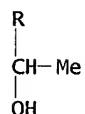
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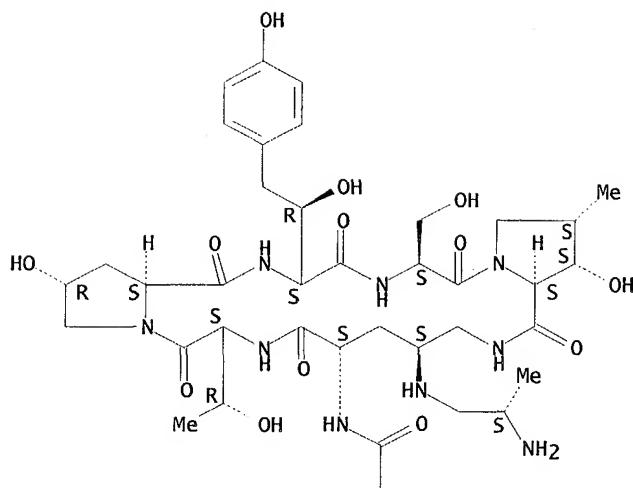


L45 ANSWER 13 OF 18 REGISTRY COPYRIGHT 2003 ACS on STN  
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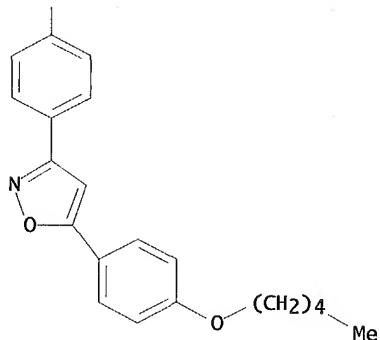
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Absolute stereochemistry.

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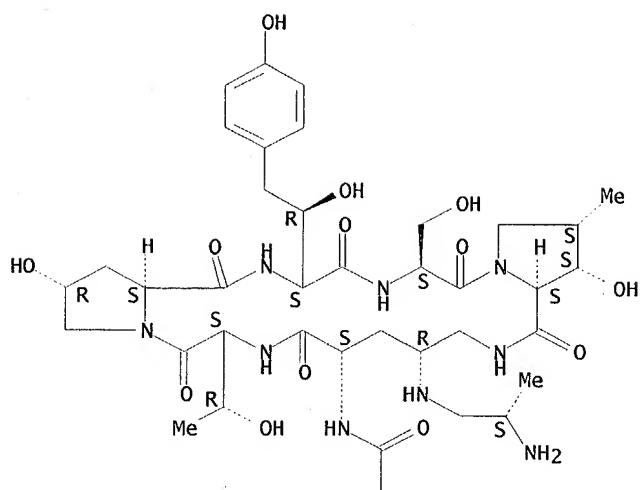


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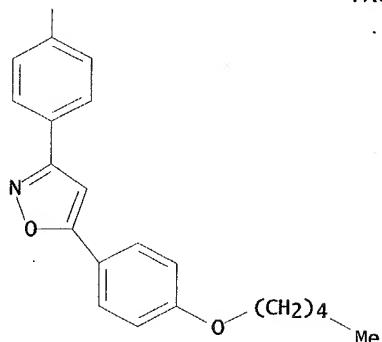
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Absolute stereochemistry.

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L45 ANSWER 15 OF 18 REGISTRY COPYRIGHT 2003 ACS on STN

RN 310459-29-1 REGISTRY

CN Deoxymulundocandin, 1-[(4S)-4-[[[(1S,2S)-2-aminocyclohexyl]amino]-N2-[4-[5-[4-(pentyloxy)phenyl]-3-isoxazolyl]benzoyl]-L-ornithine]- (9CI) (CA INDEX NAME)

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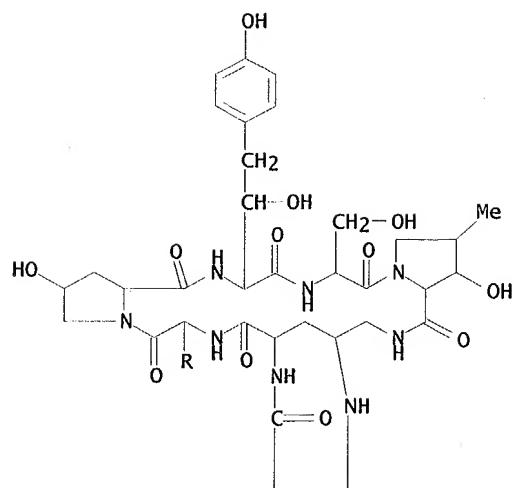
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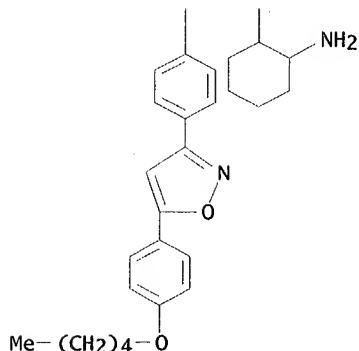
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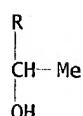
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L45 ANSWER 16 OF 18 REGISTRY COPYRIGHT 2003 ACS on STN  
RN 310459-26-8 REGISTRY

510455 26-6 REGISTRY  
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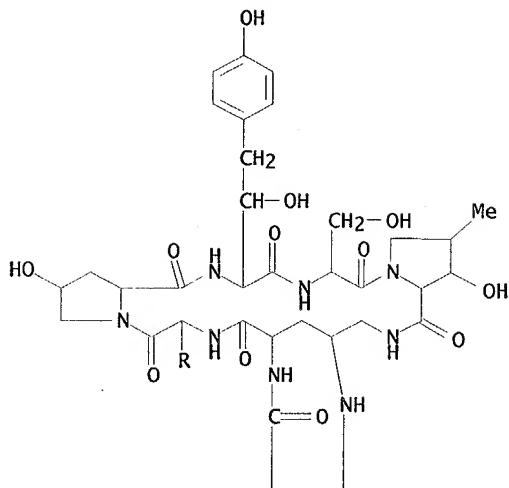
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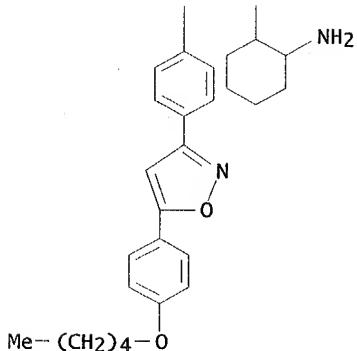
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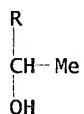
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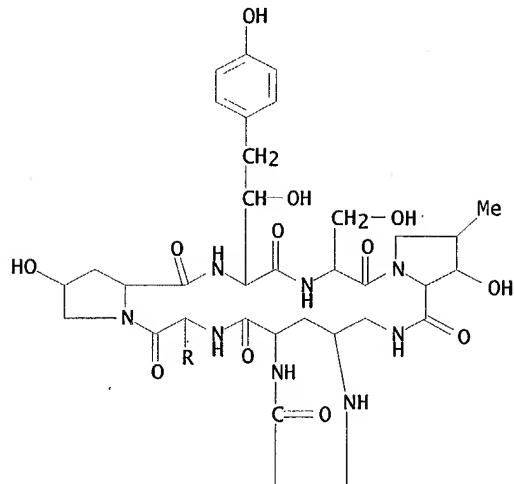


L45 ANSWER 17 OF 18 REGISTRY COPYRIGHT 2003 ACS on STN  
 RN 310459-22-4 REGISTRY  
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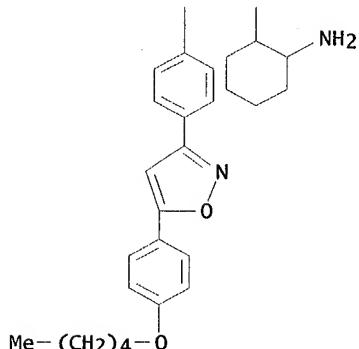
KAM 10/018,073

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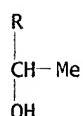
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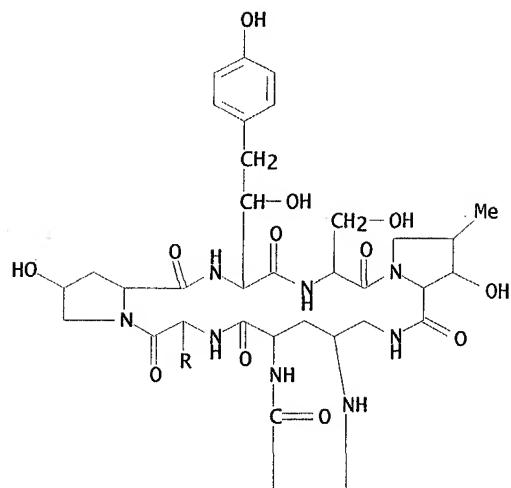


L45 ANSWER 18 OF 18 REGISTRY COPYRIGHT 2003 ACS on STN  
RN 310459-19-9 REGISTRY  
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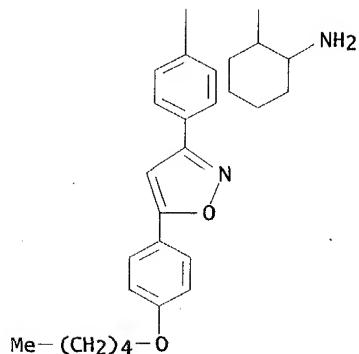
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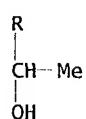
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# Inventor Search

KAM 10/018,073

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 L10 1 SEA FILE=CAPLUS ABB=ON PLU=ON L7 AND L9 1 cite ring size

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L10 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS on STN  
 ACCESSION NUMBER: 2000:881186 CAPLUS  
 DOCUMENT NUMBER: 134:17731  
 TITLE: Echinocandin derivatives, method for preparing same  
 and application as glucan synthase inhibitors and  
 antifungal agents  
 INVENTOR(S): Fauveau, Patrick; Hawser, Stephen; Lebourg, Gilles;  
 Schio, Laurent  
 PATENT ASSIGNEE(S): Hoechst Marion Roussel, Fr.  
 SOURCE: PCT Int. Appl., 24 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: French  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000075177	A1	20001214	WO 2000-FR1568	20000608 ←
W:	AE, AG, AL, AU, BA, BB, BG, BR, CA, CN, CR, CU, CZ, DM, DZ, EE, GD, GE, HR, HU, ID, IL, IN, IS, JP, KP, KR, LC, LK, LR, LT, LV, MA, MG, MK, MN, MX, MZ, NO, NZ, PL, RO, SG, SI, SK, TR, TT, UA, US, UZ, VN, YU, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
FR 2794746	A1	20001215	FR 1999-7251	19990609
FR 2794746	B1	20021206		
EP 1189933	A1	20020327	EP 2000-942169	20000608
EP 1189933	B1	20030409		
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO			
JP 2003501441	T2	20030114	JP 2001-502458	20000608
AT 236928	E	20030415	AT 2000-942169	20000608
PRIORITY APPLN. INFO.:			FR 1999-7251	A 19990609
			WO 2000-FR1568	W 20000608
OTHER SOURCE(S):	CASREACT 134:17731; MARPAT 134:17731			
GI				

PCT document  
 Parent case

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

AB The invention concerns in all possible isomeric forms as well as their mixts., cyclic peptides I wherein: R represents a linear, branched or cyclic chain; either R1 represents H or CH<sub>3</sub> and R2 represents cyclohexyl substituted by an amine, cyanoalkyl ; or R1 and R2 form with the nitrogen which bears them a cycle with 3, 4 or 5 carbons optionally substituted by an amine; R3 represents hydrogen, Me or hydroxyl; R4 represents hydrogen or hydroxyl; T represents hydrogen, Me, CH<sub>2</sub>CONH<sub>2</sub>, CH<sub>2</sub>CN, a (CH<sub>2</sub>)<sub>2</sub>NH<sub>2</sub> or (CH<sub>2</sub>)<sub>2</sub>Nalk<sup>+</sup>X- radical, X being halogen and alk an alkyl radical; Y

represents hydrogen, hydroxyl, halogen or OSO<sub>3</sub>H; W represents H or OH; Z represents H, CH<sub>3</sub>. The compds. of formula I have antifungal properties. Thus, Trans 1-[4-[(2-aminocyclohexyl)amino]-N2-[[4'-(pentyloxy)[1,1':4',1''terphenyl]-4-yl]carbonyl]-L-ornithine]-4-[4-(4-hydroxyphenyl)-L-threonine]-5-L-serine-echinocandine B trifluoroacetate was prep'd. and tested for its inhibition of glucan synthase of *Candida albicans* and of the enzyme prep'd. from *Aspergillus fumigatus*.

IT 310461-86-0P 310461-89-3P 310461-95-1P  
310461-97-3P 310461-99-5P 310462-01-2P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(echinocandin derivs., method for prep. same and application as glucan synthase inhibitors and antifungal agents)

RN 310461-86-0 CAPLUS

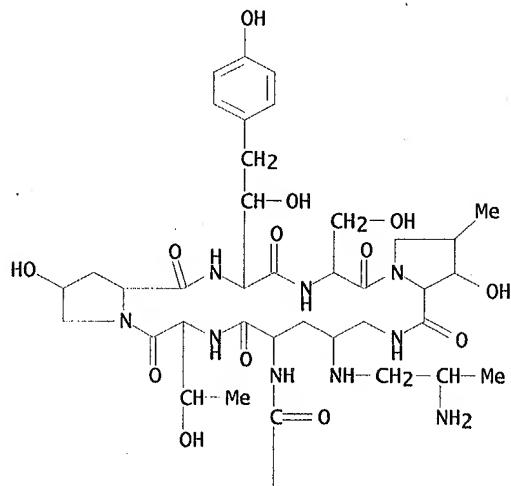
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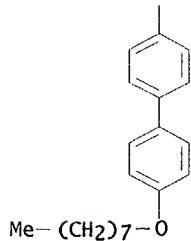
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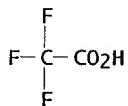


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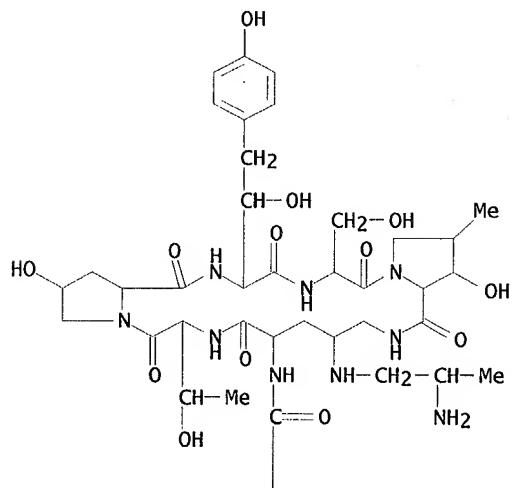


RN 310461-89-3 CAPLUS  
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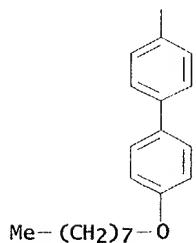
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PAGE 1-A



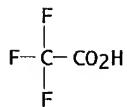
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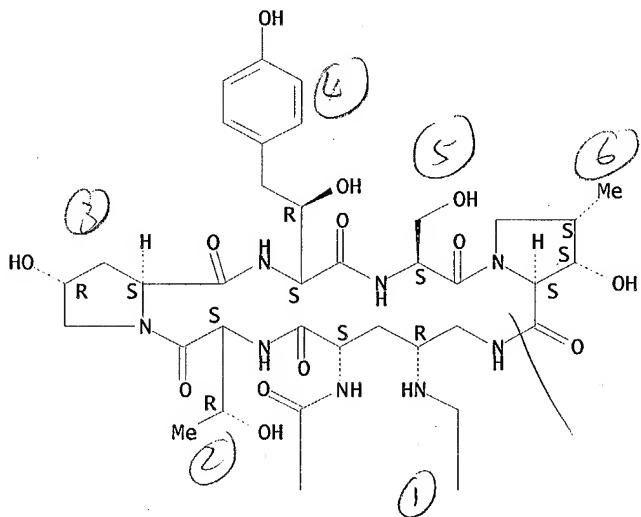
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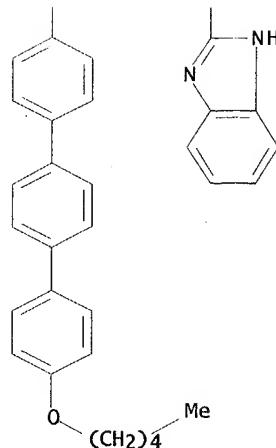
Absolute stereochemistry.

PAGE 1-A

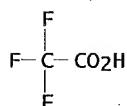


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 claim 15  
 OR  
 next page

PAGE 2-A



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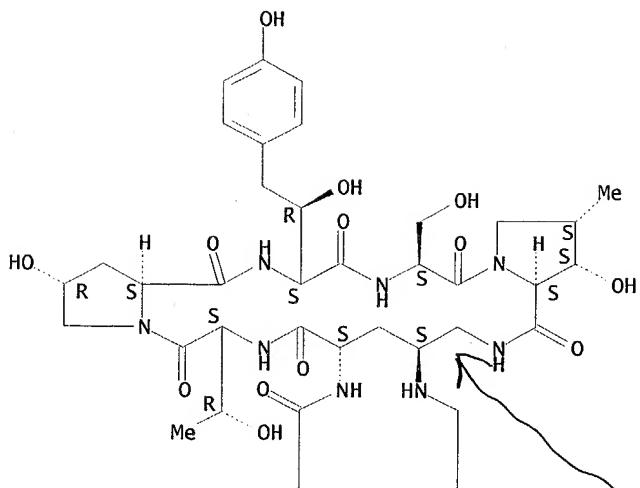
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CM 1

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Absolute stereochemistry.

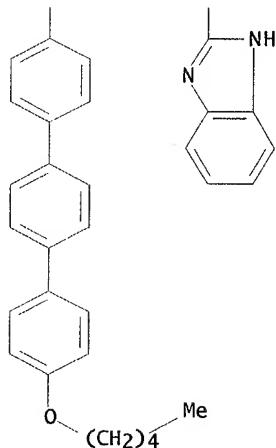
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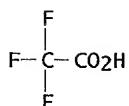
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if isomer B is  
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PAGE 2-A



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KAM 10/018,073

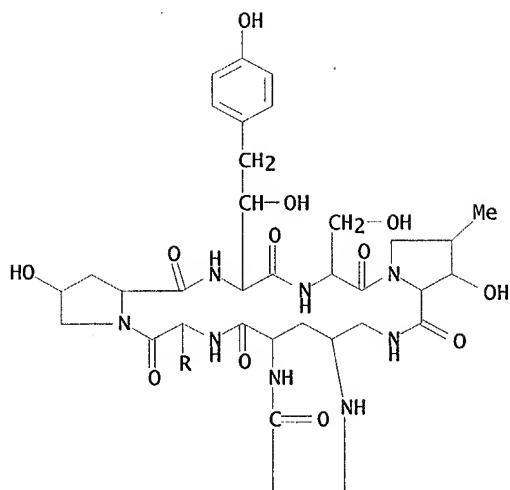
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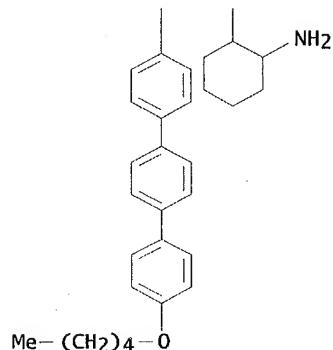
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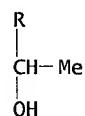
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PAGE 2-A



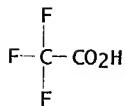
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CRN 76-05-1

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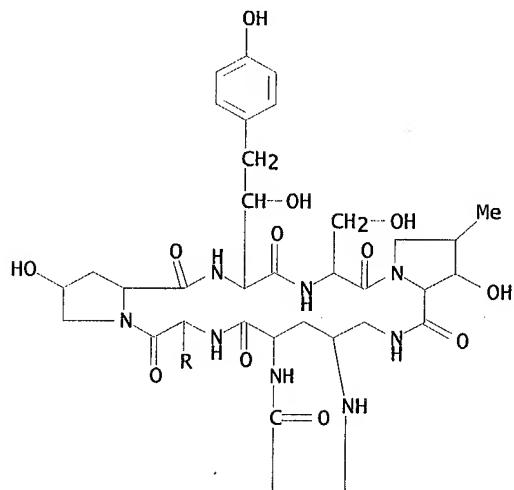


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CM 1

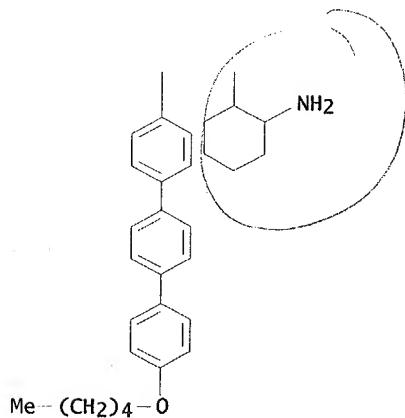
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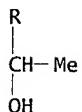
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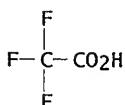
KAM 10/018,073

PAGE 3-A



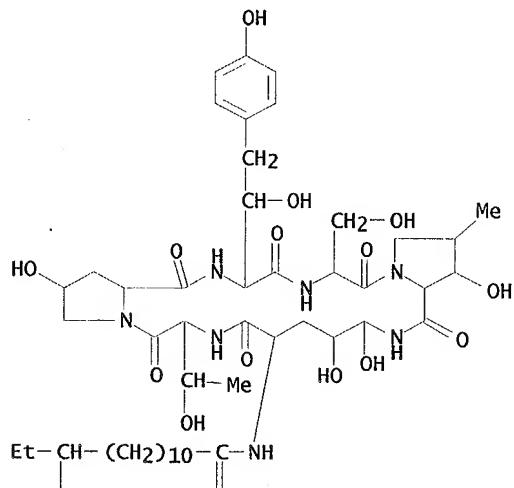
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CRN 76-05-1  
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IT 138626-63-8, Deoxymulundocandin 227472-60-8  
RL: RCT (Reactant); RACT (Reactant or reagent)  
(echinocandin derivs., method for prepg. same and application as glucan synthase inhibitors and antifungal agents)  
RN 138626-63-8 CAPLUS  
CN Deoxymulundocandin (9CI) (CA INDEX NAME)

PAGE 1-A

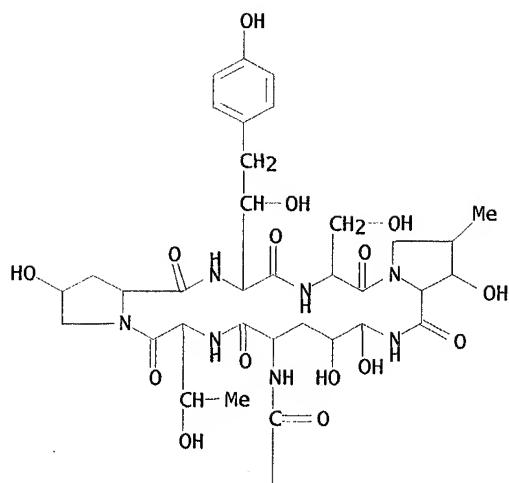


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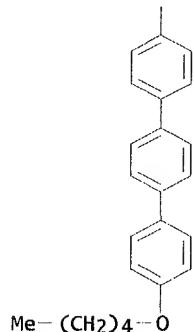


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PAGE 1-A

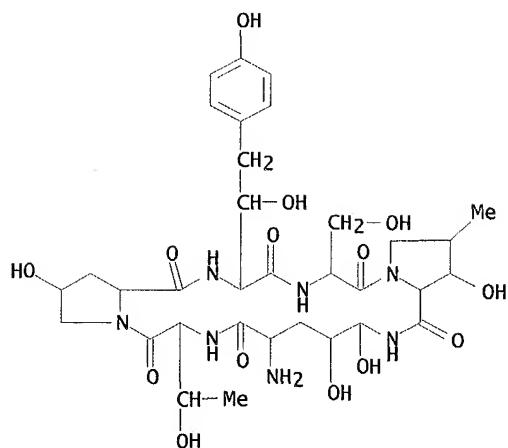


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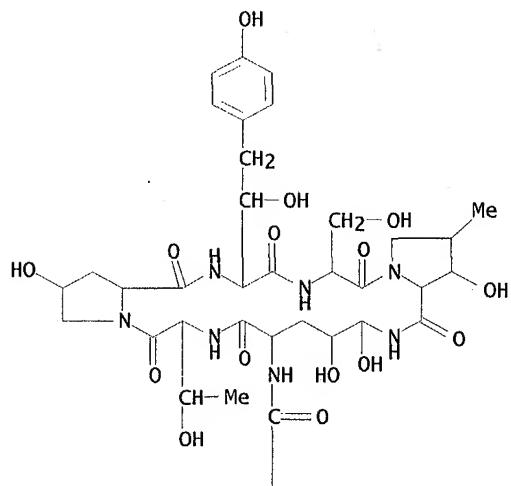
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 (echinocandin derivs., method for prep. same and application as glucan  
 synthase inhibitors and antifungal agents)

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 INDEX NAME)

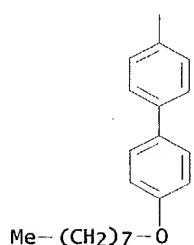


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PAGE 1-A

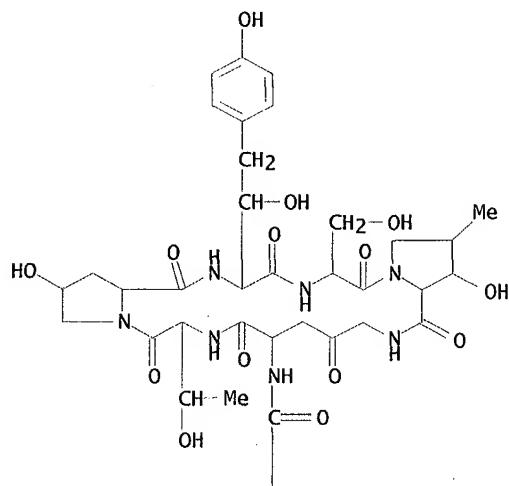


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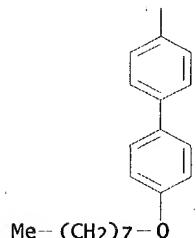


RN 227472-55-1 CAPLUS  
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PAGE 1-A



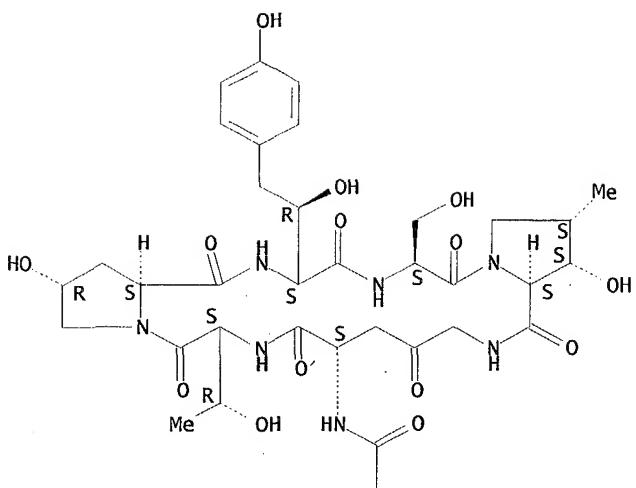
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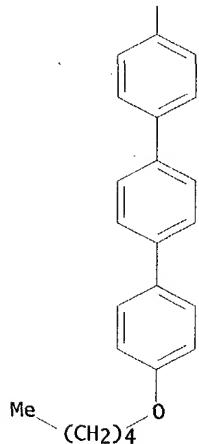
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Absolute stereochemistry.

PAGE 1-A



PAGE 2-A



IC ICM C07K007-56  
ICS A61K038-12; A61P031-10

CC 34-3 (Amino Acids, Peptides, and Proteins)  
Section cross-reference(s): 7, 10, 63

ST echinocandin cyclic peptide prepn antifungal glucan synthase inhibitor

IT Peptides, preparation  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(cyclic; echinocandin derivs., method for prep. same and application as glucan synthase inhibitors and antifungal agents)

IT *Aspergillus fumigatus*  
Fungicides  
(echinocandin derivs., method for prep. same and application as glucan synthase inhibitors and antifungal agents)

IT 9027-19-4, Glucan synthase  
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL

(Biological study); PROC (Process)

(*Candida albicans*; echinocandin derivs., method for prepg. same and application as glucan synthase inhibitors and antifungal agents)

IT 310461-86-0P 310461-89-3P 310461-95-1P  
310461-97-3P 310461-99-5P 310462-01-2P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(echinocandin derivs., method for prepg. same and application as glucan synthase inhibitors and antifungal agents)

IT 538-75-0, N,N'-Dicyclohexylcarbodiimide 771-61-9, 2,3,4,5,6-  
Pentafluorophenol 5805-57-2, 2-(Aminomethyl)benzimidazole 19777-66-3  
20439-47-8 59748-18-4 138626-63-8, Deoxymulundocandin  
227472-60-8

RL: RCT (Reactant); RACT (Reactant or reagent)

(echinocandin derivs., method for prepg. same and application as glucan synthase inhibitors and antifungal agents)

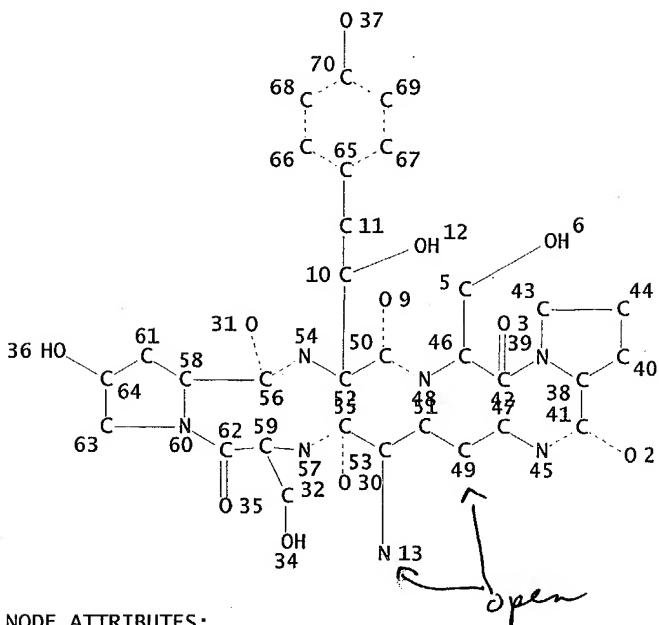
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(echinocandin derivs., method for prepg. same and application as glucan synthase inhibitors and antifungal agents)

REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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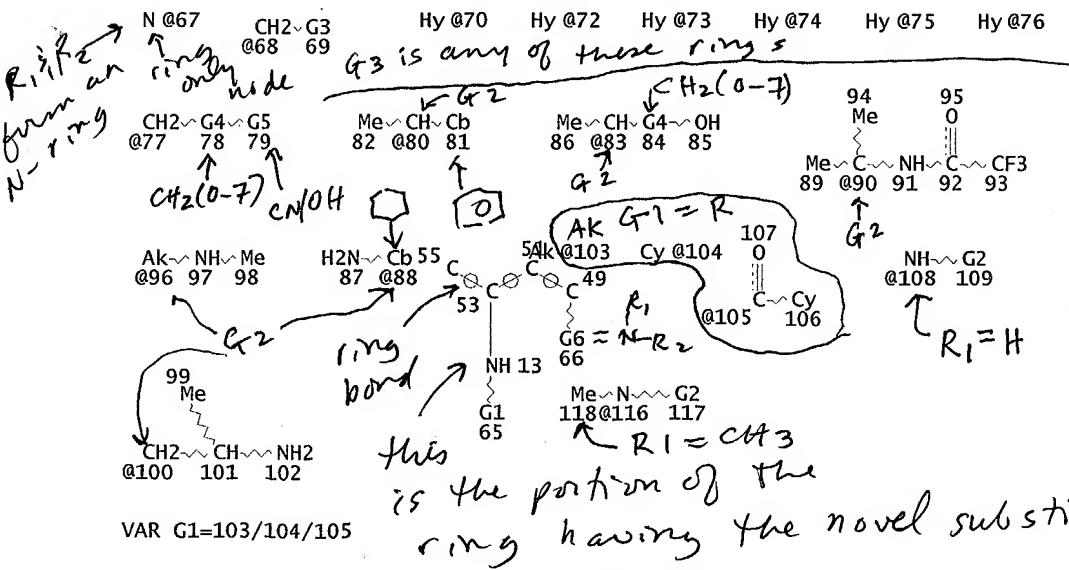
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DEFAULT ECLEVEL IS LIMITED

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RING(S) ARE ISOLATED OR EMBEDDED  
NUMBER OF NODES IS 49

## STEREO ATTRIBUTES: NONE

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L36 STR subset search



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REP G4=(0-7) CH2

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VAR G6=116/67/108

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ECOUNT IS E8 C E1 N AT 73

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GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 52

STEREO ATTRIBUTES: NONE

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L38 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 2000:881187 CAPLUS

DOCUMENT NUMBER: 134:17732

TITLE: Novel echinocandin derivatives, method for preparing same and use as antifungal agents

INVENTOR(S): Corbier, Alain; Fauveau, Patrick; Pietre-Dischamp, Nathalie; Schio, Laurent; Vicat, Pascale

PATENT ASSIGNEE(S): Hoechst Marion Roussel, Fr.

SOURCE: PCT Int. Appl., 34 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: French

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000075178	A1	20001214	WO 2000-FR1569	20000608
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FR 2794747	A1	20001215	FR 1999-7252	19990609
EP 1189932	A1	20020327	EP 2000-940456	20000608

EP 1189932 B1 20030521  
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,  
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 AT 240971 E 20030615 AT 2000-940456 20000608  
 PRIORITY APPLN. INFO.: FR 1999-7252 A 19990609  
 WO 2000-FR1569 W 20000608  
 OTHER SOURCE(S): CASREACT 134:17732; MARPAT 134:17732  
 GI

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

AB The invention concerns cyclic peptides I wherein: R = chain contg. up to 30 carbon atoms, optionally contg. one or several heteroatoms, one or several heterocycles; either R1 and R2 = H, OH, alkyl optionally substituted, or NR1 forms with the carbon bearing NR1R2 a double bond and R2 is XRa, X being O, NH or N-alkyl and Ra being H, alkyl optionally substituted; R3 = H, OH, CH3; R4 = H, OH; T = H, CH3, CH2CONH2, CH2CN, (CH2)2NH2; Y = H, OH, halogen, OSO3H; W = H, OH; Z = H or CH3. The products of formula I have antifungal properties. Thus, trans-1-[4-[(2-aminocyclo-hexyl)amino]-N2-[[4-[5-[4-(pentyloxy)phenyl]-3-isoxazolyl]phenyl]carbonyl]-L-ornithine]-4-[4-(4-hydroxyphenyl)-L-threonine]-5-L-serine-echinocandin B trifluoroacetate was prep'd. and tested for its inhibition of glucan synthase of *Candida albicans*.

IT 310459-20-2P 310459-23-5P 310459-27-9P  
 310459-30-4P 310459-33-7P 310459-36-0P  
 310459-39-3P 310459-42-8P 310459-58-6P  
 310459-61-1P 310459-67-7P 310459-70-2P  
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (novel echinocandin derivs. method for prep. same and use as glucan synthase inhibitors and antifungal agents)

RN 310459-20-2 CAPLUS

CN Deoxymulundocandin, 1-[(4R)-4-[[[(1R,2R)-2-aminocyclohexyl]amino]-N2-[4-[5-[4-(pentyloxy)phenyl]-3-isoxazolyl]benzoyl]-L-ornithine]-, trifluoroacetate (salt) (9CI) (CA INDEX NAME)

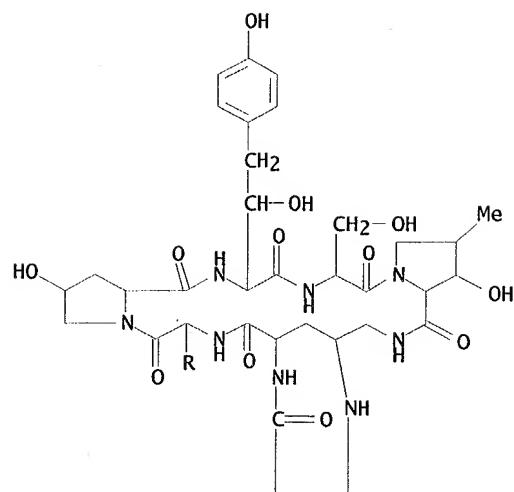
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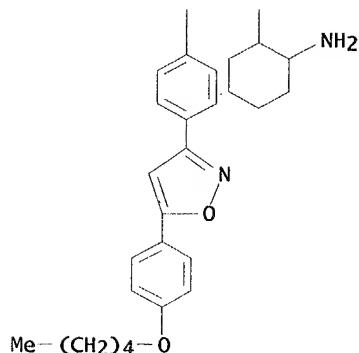
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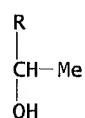
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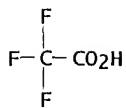


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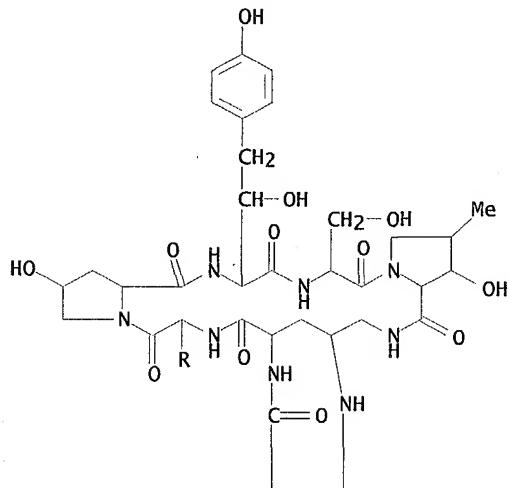


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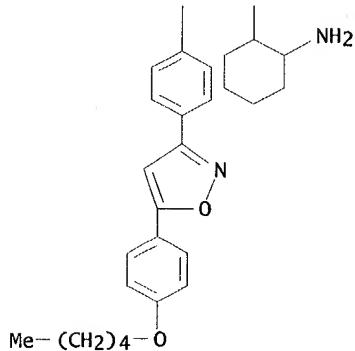
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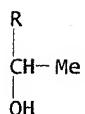
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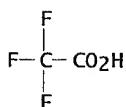
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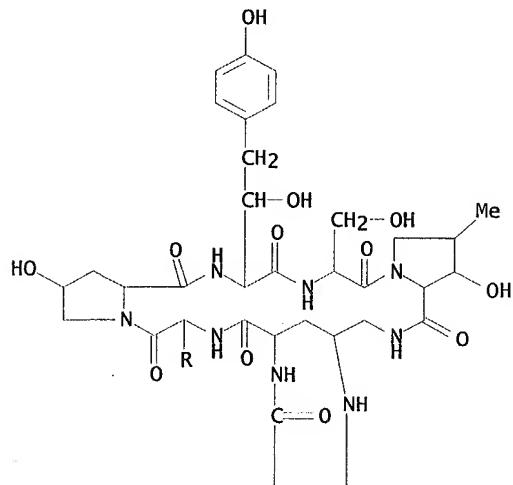
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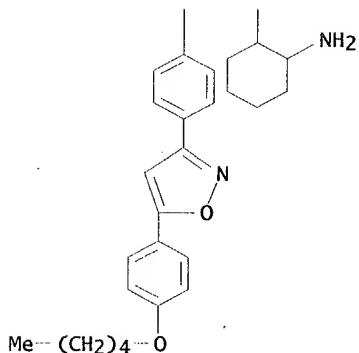
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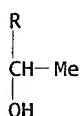
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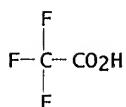
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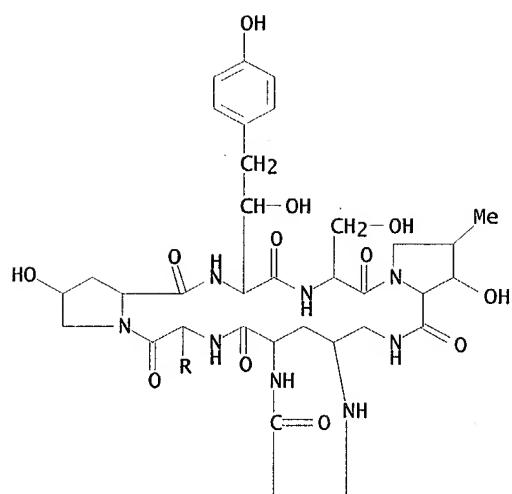
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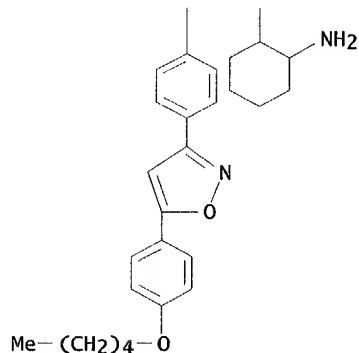
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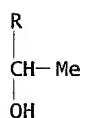
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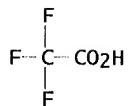


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RN 310459-33-7 CAPLUS

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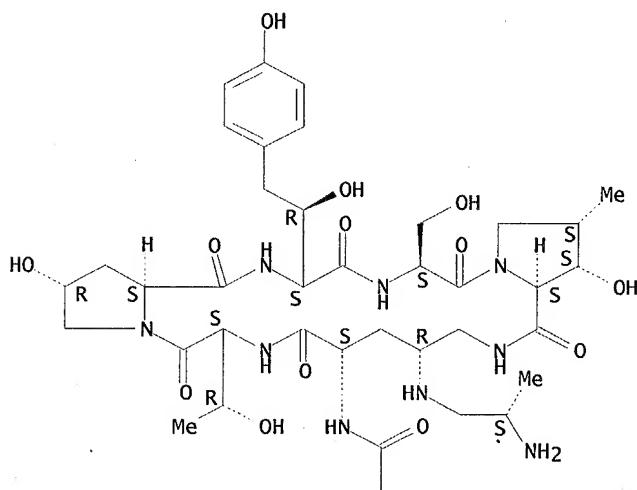
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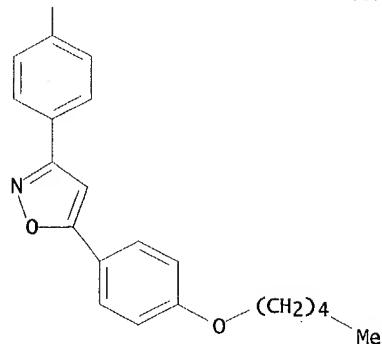
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Absolute stereochemistry.

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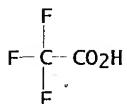


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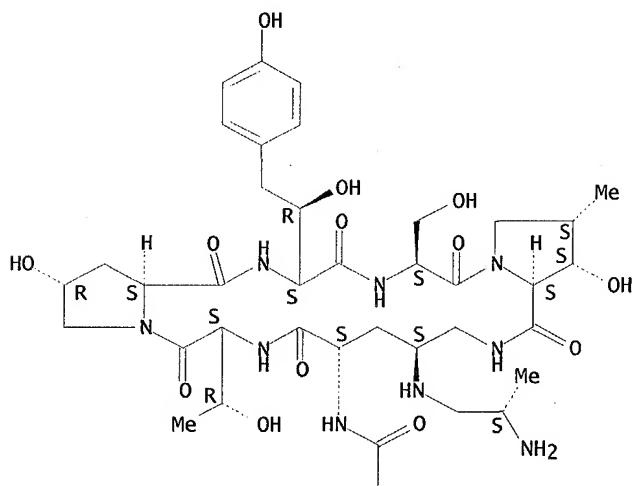
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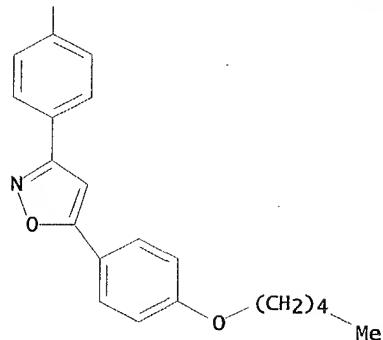
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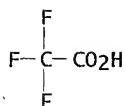
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CM 2

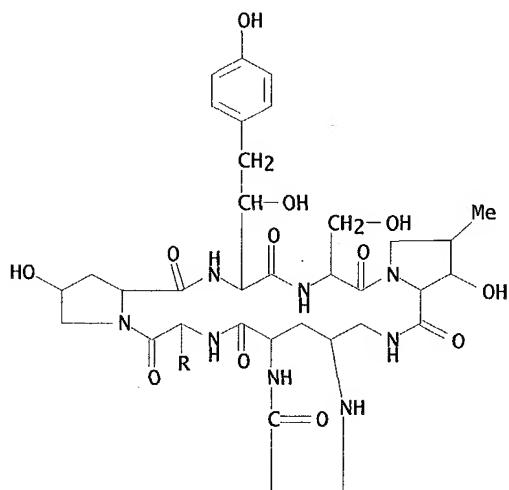
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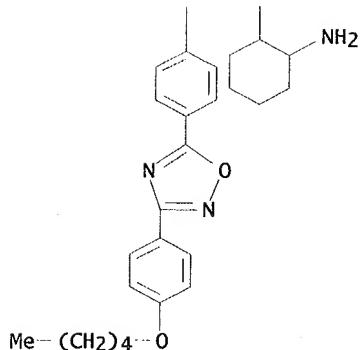
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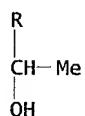
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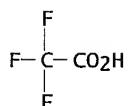


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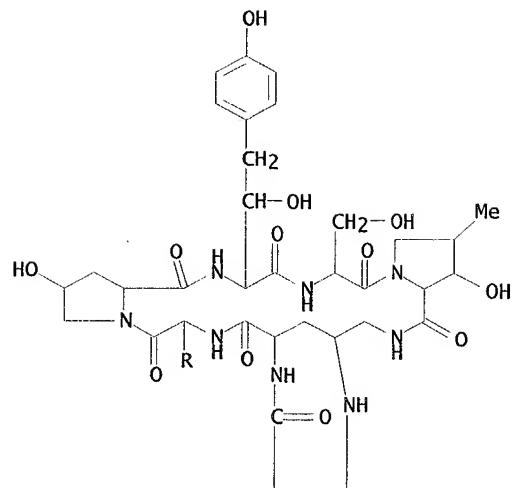
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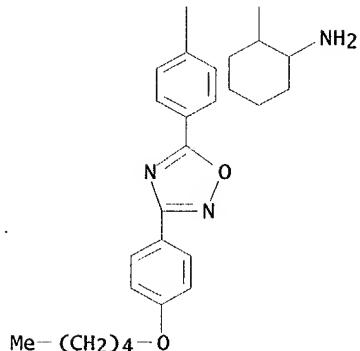
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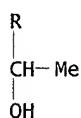
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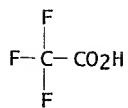


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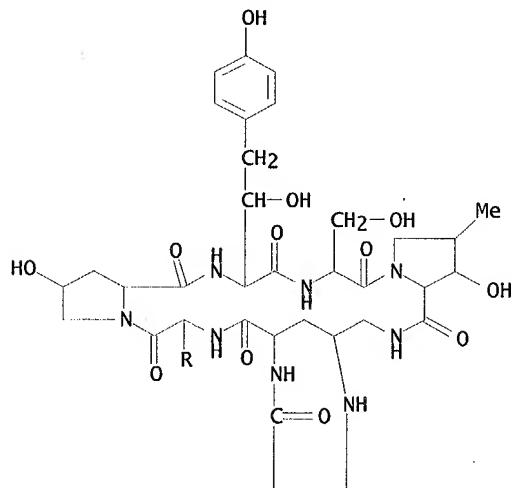


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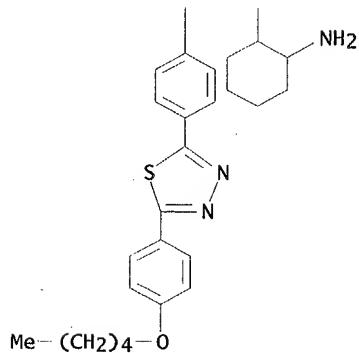
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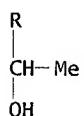
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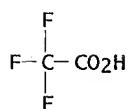
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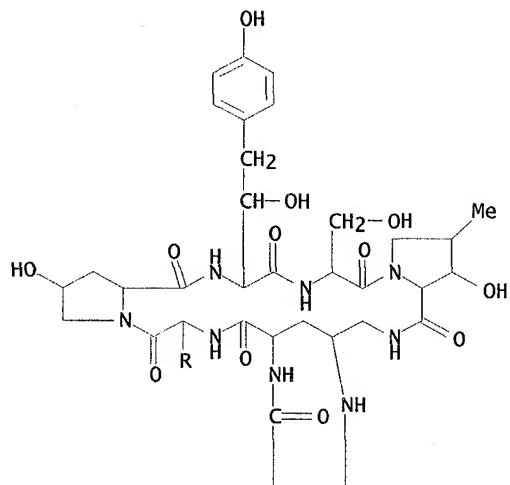
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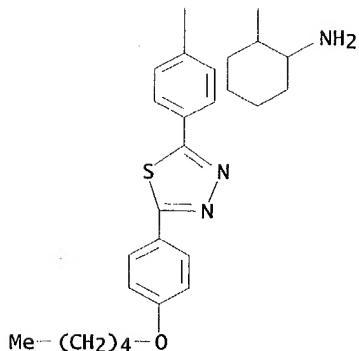
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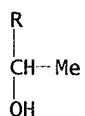


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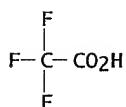


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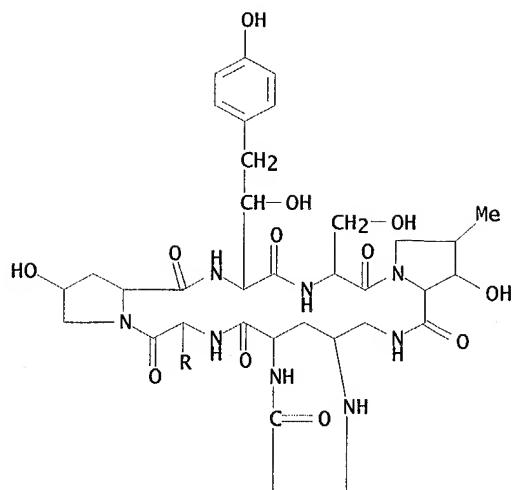
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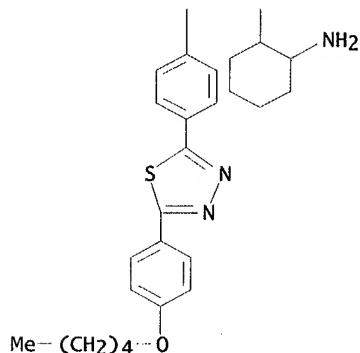
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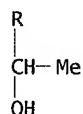
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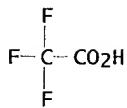


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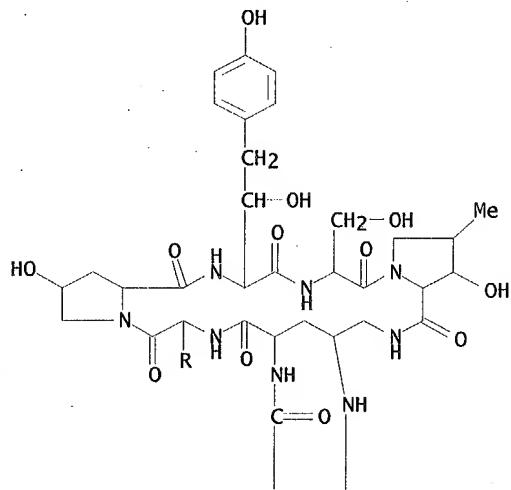
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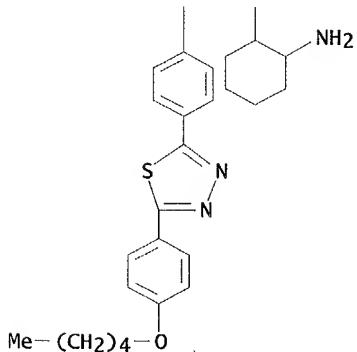
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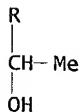
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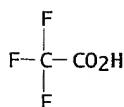
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PAGE 3-A



CM 2

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REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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L38 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS on STN  
ACCESSION NUMBER: 2000:881186 CAPLUS

DOCUMENT NUMBER: 134:17731

TITLE: Echinocandin derivatives, method for preparing same and application as glucan synthase inhibitors and antifungal agents

INVENTOR(S): Fauveau, Patrick; Hawser, Stephen; Lebourg, Gilles;

Schio, Laurent

PATENT ASSIGNEE(S): Hoechst Marion Roussel, Fr.

SOURCE: PCT Int. Appl., 24 pp.

DOCUMENT TYPE: Patent

LANGUAGE: French

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PRIORITY APPLN. INFO.:			FR 1999-7251	A 19990609
			WO 2000-FR1568	W 20000608
OTHER SOURCE(S):			CASREACT 134:17731; MARPAT 134:17731	
GI				

same citation as  
the inventor  
search

cdps are printed  
out to confirm  
that the search  
picked up all of  
the str's in the  
inventor search

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

AB The invention concerns in all possible isomeric forms as well as their mixts., cyclic peptides I wherein: R represents a linear, branched or cyclic chain; either R1 represents H or CH<sub>3</sub> and R2 represents cyclohexyl substituted by an amine, cyanoalkyl ; or R1 and R2 form with the nitrogen which bears them a cycle with 3, 4 or 5 carbons optionally substituted by an amine; R3 represents hydrogen, Me or hydroxyl; R4 represents hydrogen or hydroxyl; T represents hydrogen, Me, CH<sub>2</sub>CONH<sub>2</sub>, CH<sub>2</sub>CN, a (CH<sub>2</sub>)<sub>2</sub>NH<sub>2</sub> or (CH<sub>2</sub>)<sub>2</sub>Nalk<sub>2</sub>X- radical, X being halogen and alk an alkyl radical; Y represents hydrogen, hydroxyl, halogen or OSO<sub>3</sub>H; W represents H or OH; Z represents H, CH<sub>3</sub>. The compds. of formula I have antifungal properties. Thus,.. Trans 1-[4-[(2-amino cyclohexyl)amino]-N2-[[4'-(pentyloxy)[1,1':4',1''-terphenyl]-4-yl]carbonyl]-L-ornithine]-4-[4-(4-hydroxyphenyl)-L-threonine]-5-L-serine-echinocandine B trifluoroacetate was prep'd. and tested for its inhibition of glucan synthase of *Candida albicans* and of the enzyme prep'd. from *Aspergillus fumigatus*.

IT 310461-86-0P 310461-89-3P 310461-95-1P  
310461-97-3P 310461-99-5P 310462-01-2P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(echinocandin derivs., method for prep. same and application as glucan synthase inhibitors and antifungal agents)

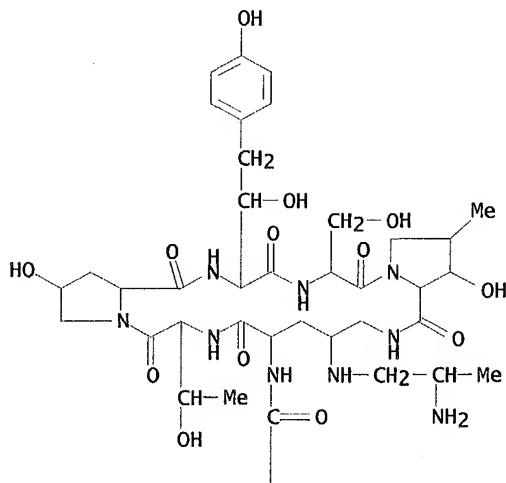
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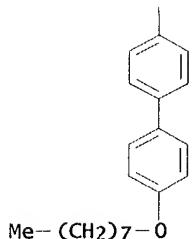
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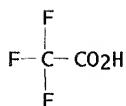
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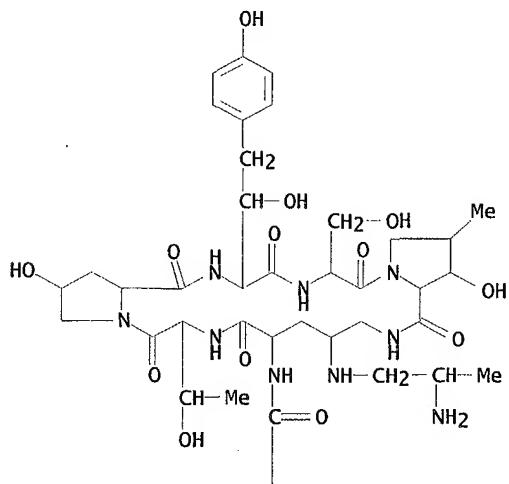
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(octyloxy)[1,1'-biphenyl]-4-yl]carbonyl]-L-ornithine]-, trifluoroacetate  
(salt) (9CI) (CA INDEX NAME)

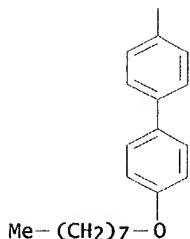
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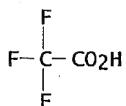
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CM 2

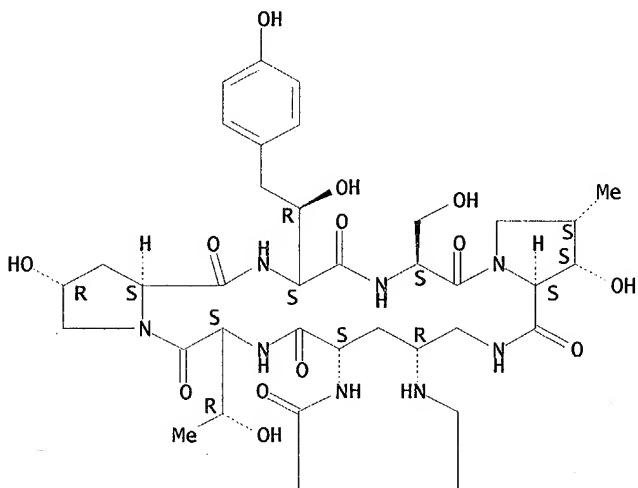
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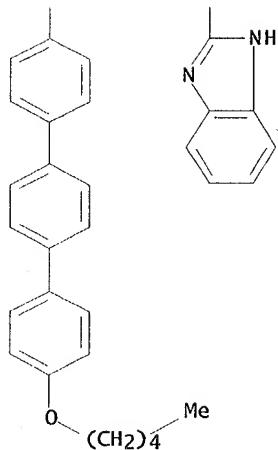
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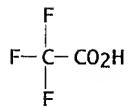
Absolute stereochemistry.

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CM 2

CRN 76-05-1  
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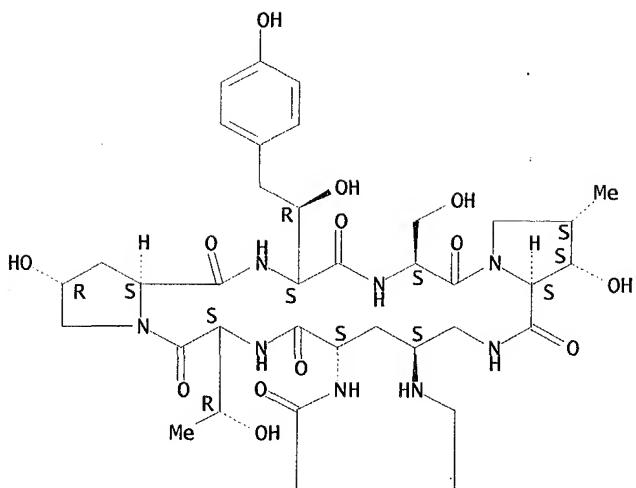
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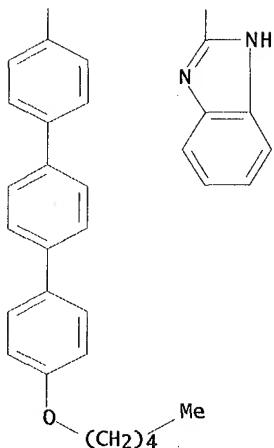
Absolute stereochemistry.

KAM 10/018,073

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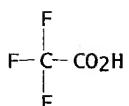


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CM 2

CRN 76-05-1  
CMF C2 H F3 O2



RN 310461-99-5 CAPLUS  
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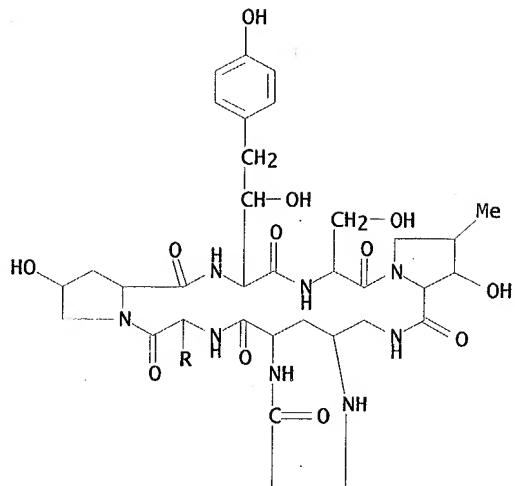
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trifluoroacetate (salt) (9CI) (CA INDEX NAME)

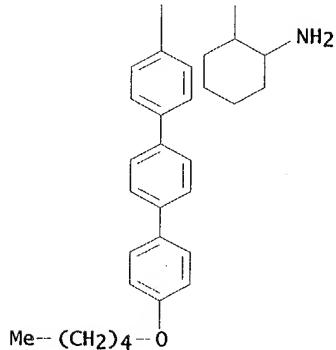
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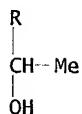
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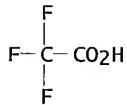


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CM 2

CRN 76-05-1  
CMF C2 H F3 02

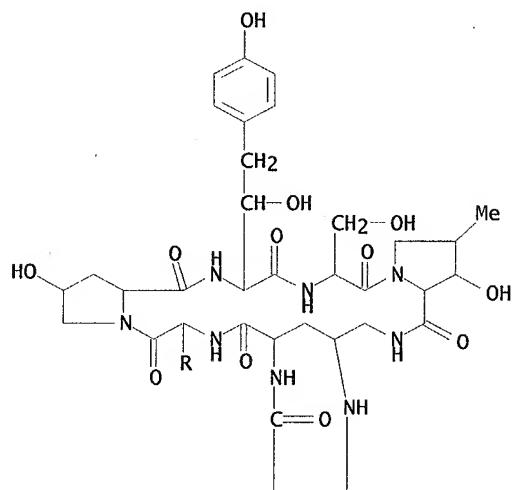


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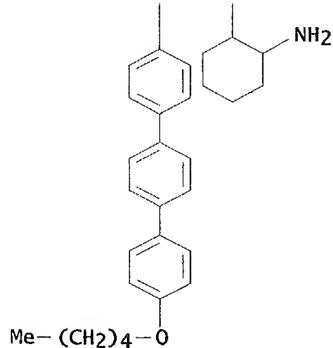
CM 1

CRN 310462-00-1  
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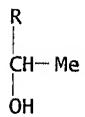


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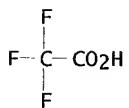
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CM 2

CRN 76-05-1  
CMF C2 H F3 O2



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT